

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3657
CALIBRATION DATE: 18-Jun-13

SBE4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

g = -9.89912783e+000
h = 1.40143983e+000
i = -2.82916291e-003
j = 2.85735201e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.99891618e-007
b = 1.39329924e+000
c = -9.88007259e+000
d = -7.37518379e-005
m = 6.7
CPcor = -9.5700e-008 (nominal)

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.66297	0.00000	0.00000
-1.0000	34.8509	2.80710	5.21817	2.80710	0.00000
1.0000	34.8511	2.97866	5.33472	2.97866	0.00000
15.0000	34.8519	4.27552	6.14415	4.27549	-0.00002
18.5000	34.8513	4.62251	6.34309	4.62253	0.00002
29.0001	34.8505	5.70730	6.92774	5.70730	0.00001
32.5000	34.8457	6.08054	7.11762	6.08053	-0.00001

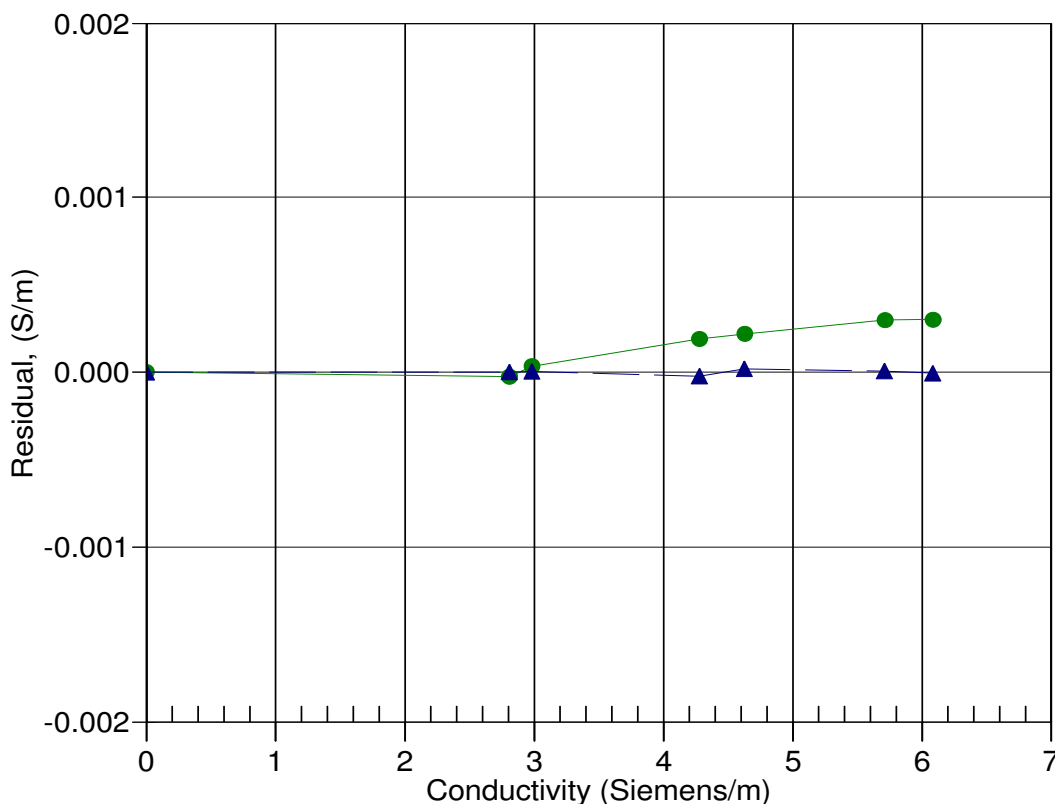
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10 (1 + \epsilon p)]$ Siemens/meter

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ϵ = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients

Date, Slope Correction



23-Mar-12 0.9999574
18-Jun-13 1.0000000